

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for displaying a three-dimensional image, comprising:

a flat display device displaying a plurality of perspective views from different directions; and

a lenticular lens sheet including a plurality of lenticular lens pieces of which Y-axis being parallel to a vertical axis of the flat display, the plurality of lenticular lens pieces forming a plurality of lines ~~being~~ parallel to a horizontal axis of the flat display device on a front surface of the flat display device, each of the plurality of lines being shifted ~~[[to]]~~ a predetermined distance, wherein the plurality of lines have an odd line and an even line, a boundary region between a first lenticular lens piece and a second lenticular lens piece in the odd line is positioned at a center region of a pixel of the flat display device, and a boundary region between a first lenticular lens piece and a second lenticular lens piece in the even line is positioned to an edge region of a pixel of the flat display device.

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2. (Currently Amended) The apparatus for displaying the three-dimensional image of claim 1, wherein ~~a size of each lens piece~~ a width P_h and a length P_v of the lenticular lens sheet piece is determined by the following equations:

$$\text{Width } (P_h) P_h = \frac{3.5p(D-d)}{3D}, \text{ Length } (P_v) P_v = \frac{p(D-d)}{D},$$

~~Wherein, (P: a length of a pixel in a horizontal direction, D: a distance between a viewer and the flat display device, d: a distance between the flat display device and the lenticular lens sheet) where p is a length of a pixel in a horizontal direction, D is a predetermined distance between a viewer and the flat display device, and d is a distance between the flat display device and the lenticular lens sheet.~~

3. (Currently Amended) The apparatus for displaying the three-dimensional image of claim 1, wherein the predetermined distance in each line is changed according to a resolution of the three-dimensional image ~~of which that~~ the viewer wants to describe.

4. (Currently Amended) The apparatus for displaying the three-dimensional image of claim 1, wherein the predetermined distance in each line is $1/6p$, ~~[[p:]]~~ where p is a length of a pixel in a horizontal direction~~[[D]]~~.

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5. (Original) The apparatus for displaying the three-dimensional image of claim 1, wherein the parallax image is displayed in a horizontal direction of the flat display device.

6. (Original) The apparatus for displaying the three-dimensional image of claim 1, wherein the lenticular lens sheet is aligned at a predetermined distance from the flat display device so as to focus the flat display device on the image.

7. (Original) The apparatus for displaying the three-dimensional image of claim 1, wherein the flat display device is an LCD or a PDP.

8. (Currently Amended) An apparatus for displaying a three-dimensional image, comprising:

a flat display device displaying a plurality of perspective views taken from different directions; and

a lenticular lens sheet including a plurality of lenticular lens pieces arrayed on a front surface of the flat display device in a horizontal direction, the arrayed lenticular lens pieces forming a plurality of lines parallel to ~~[[the]]~~ a horizontal axis of the flat display device, wherein a width P_h and a length P_y of the lenticular lens piece is determined by the following equations,

$$\underline{P_h = \frac{3.5p(D-d)}{3D}}, \text{ and } \underline{P_v = \frac{p(D-d)}{D}},$$

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where p is a length of a pixel in the horizontal direction, D is a predetermined distance between a viewer and the flat display device, and d is a distance between the flat display device and the lenticular lens sheet.

9. (Currently Amended) The apparatus for displaying the three-dimensional image of claim 8, wherein each of the plurality of lines is shifted ~~[[to]]~~ a predetermined distance.

10. (Canceled)

11. (Currently Amended) The apparatus for displaying the three-dimensional image of claim 8, wherein the predetermined distance in each line is changed according to a resolution of the three-dimensional image ~~of which that~~ the viewer wants to describe.

12. (Currently Amended) The apparatus for displaying the three-dimensional image of claim 8, wherein the predetermined distance in each line is $1/6p$, ~~[[p:]]~~ where p is a length of a pixel in [[a]]the horizontal direction[D]].

13. (Currently Amended) The apparatus for displaying the three-dimensional image of claim ~~[[1]]~~8, wherein the parallax image is represented in ~~[[a]]the~~ horizontal direction of the flat display device.

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14. (Currently Amended) The apparatus for displaying the three-dimensional image of claim [[1]]8, wherein the lenticular lens sheet is arranged at a predetermined distance from the flat display device so as to focus the flat display device on the image.

15. (Currently Amended) The apparatus for displaying the three-dimensional image of claim [[1]]8, wherein the flat display device is an LCD or a PDP.